

ELED 3152
K-5 Math Methods - Fall 2016
Dr. Leslie Suters

	Date	Class Focus	Assignments
Class 1	8/22/16	Icebreakers - Carbon Copy Creations State Curriculum Standards Scavenger Hunt Math Textbook Overview Intro to Manipulatives Academically Productive Talk & Norms	In Class - <i>Tying it All Together: Classroom Practices that Promote Mathematical Proficiency for All Students</i> Foldable
Class 2	8/29/16	Number Sense Ch. 8 - Developing Early Number Concepts & Number Sense Math Practice 1 - Modeled by Suters Ch. 2 Learning Theories: Constructivism & Sociocultural Theory Ch. 3 Problem Solving (aligned with MP1) Signup in Class for Math Practice topic & Comprehensive Assignment Topic	•Ch. 8 Notetaker •MP1
Class 3	9/5/16	Labor Day - No Face to Face Class Meeting this Week Online Class - 2-3 hour online program	How to Learn Math for Students by Jo Boaler - see assignment instructions
Class 4	9/12/16	Number Sense Ch. 9 - Developing Meaning for the Operations In-Class Consultations for Math Practice Assignment and Comprehensive Assignment #1 Central Focus Introduction INVEST Video Library - Math Practice Highlights	•Bring completed "How to Learn Math" assignment •Ch. 9 Notetaker
Class 5	9/19/16	Number Sense Ch. 11 Developing Whole-Number Place Value Concepts Math Practice 2 edTPA Language: Conceptual Understanding, Procedural Fluency, & Mathematical Reasoning	•Ch. 11 Notetaker •Comp. Assignment 1 - Central Focus Concept Outline •MP2
Class 6	9/26/16	Operations & Strategies Ch. 10 Developing Basic Fact Fluency Math Practice 3 Ch. 7 Using Technological Tools to Teach Mathematics p. 127-140	•Ch. 10 Notetaker •Comp. Assignment 2 - Unpacking Central Focus •MP2
Class 7	10/3/16	Operations & Strategies Ch. 12 Developing Strategies for Addition and Subtraction Computation Math Practice 4 edTPA: Academic Language - Discourse, Syntax, & Supports	•Ch. 12 Notetaker •Comp. Assignment 3 - Technology •MP4
October 10-11 TTU Fall Break			
Class 8	10/17/16	Operations & Strategies Ch. 13 Developing Strategies for Multiplication and Division Computation Math Practice 5 Differentiation & Multiple Intelligences - ch. 4 p. 71-76	•Ch. 13 Notetaker •Comp. Assignment 4 - Academic Vocabulary and Supports •MP5
Class 9	10/24/16	Algebra Ch. 14 Algebraic Thinking: Generalizations, Patterns, and Functions Math Practice 6 Teaching Math Equitably for all children; ch. 6 -p. 104-125 INVEST Video Lesson - Grade 4 Comparing Fractions to Benchmark 1/2	•Ch. 14 Notetaker MP6
Class 10	10/31/16	Fractions Ch. 15 Developing Fraction Concepts & Ch. 17 Developing Concepts of Decimals p. 403-415 Math Practice 7 Assessments Ch. 5 p. 84-102 INVEST Video Lesson - Grade 5 Adding Fractions	•Ch. 15/17 Notetaker •Comp. Assignment 5 - Differentiation •MP7
Class 11	11/7/16	Fractions Ch. 16 Developing Fraction Operations & Ch. 17 Computation with Decimals and Percents p. 416-426 Math Practice 8	•Ch. 16/17 Notetaker •MP8
Class 12	11/14/16	Measurement Ch. 19 Developing Measurement Concepts In-class Lesson Planning Time - Consultations Use of 3D Printer for Models	•Ch. 19 Notetaker •Comp. Assignment 6 - Assessment
Class 13	11/21/16	Geometry Ch. 20 Geometric Thinking and Geometric Concepts In-class Lesson Planning Time - Consultations INVEST Video Lesson - Grade 3 Classifying Polygons	•Ch. 20 Notetaker •Comp. Assignment 7 - Interdisciplinary connections
Class 14	11/28/16	Data Analysis Ch. 21 Developing Concepts of Data Analysis In-class Lesson Planning Time - Consultations Use of 3D Printer for Models	•Ch. 21 Notetaker •Learning Log Due
Class 15	12/5/16	Demonstrate Lesson Plans	Comp. Assignment 8 - Lesson Plan